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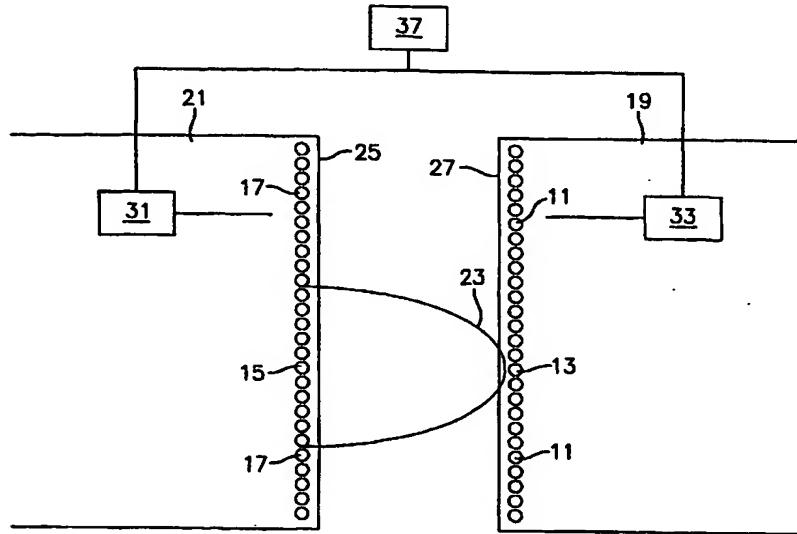
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(54) Title: OPTICALLY SYNCHRONIZED SAFETY DETECTION DEVICE FOR ELEVATOR SLIDING DOORS



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(57) Abstract: A safety detection system for a door apparatus comprising a plurality of linearly disposed emitters (17) each adapted to be activated to emit an energy beam (23), and a plurality of linearly disposed receivers (11) each corresponding to one of the plurality of emitters and adapted to receive one of the energy beams (23) from the corresponding one of the plurality of emitters (17), wherein each of the plurality of receivers (11) is singularly activated prior to receiving the energy beam (23) in accordance with a scan sequence, wherein each of the plurality of emitters is singularly activated to emit the energy beam in accordance with the scan sequence, and wherein each activated one of the plurality of receivers upon receiving the energy beam deactivates and a next one of the plurality of receivers in the scan sequence is activated.